



The State of New Hampshire  
*Department of Environmental Services*



AGGREGATED PRECIPITATION DATA for N.H.  
DROUGHT MANAGEMENT AREAS

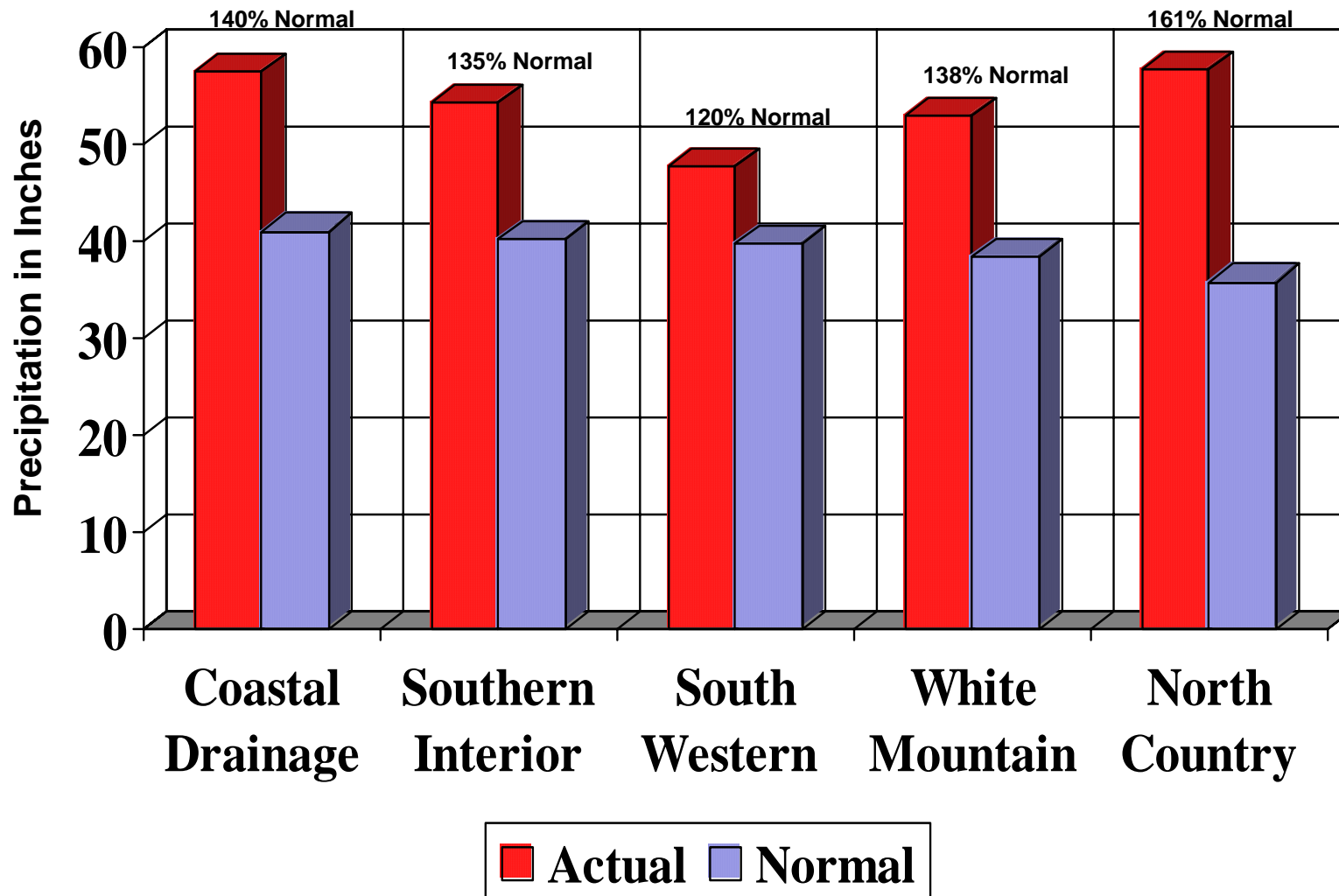
	Actual Rainfall (inches)	Normal Rainfall (inches)	Deviation from Normal (inches)	Percent of Normal
<u>Coastal Drainage:</u> Rockingham, Strafford counties				
four month	18.84	15.20	3.64	124%
six month	25.04	21.64	3.40	116%
nine month	39.71	31.30	8.41	127%
twelve month	57.44	40.96	16.48	140%
<u>Southern Interior:</u> Belknap, Hillsborough, Merrimack counties				
four month	16.52	14.39	2.13	115%
six month	22.41	20.84	1.57	108%
nine month	36.47	30.52	5.95	119%
twelve month	54.31	40.20	14.11	135%
<u>South Western:</u> Cheshire, Sullivan counties				
four month	12.99	14.18	-1.20	92%
six month	18.69	20.58	-1.89	91%
nine month	31.48	30.18	1.30	104%
twelve month	47.75	39.78	7.97	120%
<u>White Mountain:</u> Carroll, Grafton counties				
four month	14.81	14.76	0.05	100%
six month	20.73	20.68	0.05	100%
nine month	35.45	29.56	5.89	120%
twelve month	52.89	38.44	14.46	138%
<u>North Country:</u> Coos county				
four month	17.04	14.04	3.00	121%
six month	24.14	19.48	4.66	124%
nine month	37.39	27.64	9.75	135%
twelve month	57.62	35.80	21.82	161%

four month period : February 2007 - May 2007  
six month period : December 2006 - May 2007  
nine month period : September 2006 - May 2007  
twelve month period: June 2006 - May 2007

Source: Northeast River Forecast Center, NH Des Dam Bureau

**P.O. Box 95, 29 Hazen Drive, Concord, New Hampshire 03302-0095**  
Telephone: (603) 271-3503 • Fax: (603) 271-7894 • TDD Access: Relay NH 1-800-735-2964  
DES Web site: [www.des.nh.gov](http://www.des.nh.gov)

# TWELVE MONTH AGGREGATED PRECIPITATION DATA for N.H. DROUGHT MANAGEMENT AREAS from June 2006 through May 2007





## MONTHLY PRECIPITATION DATA FOR N.H COUNTIES

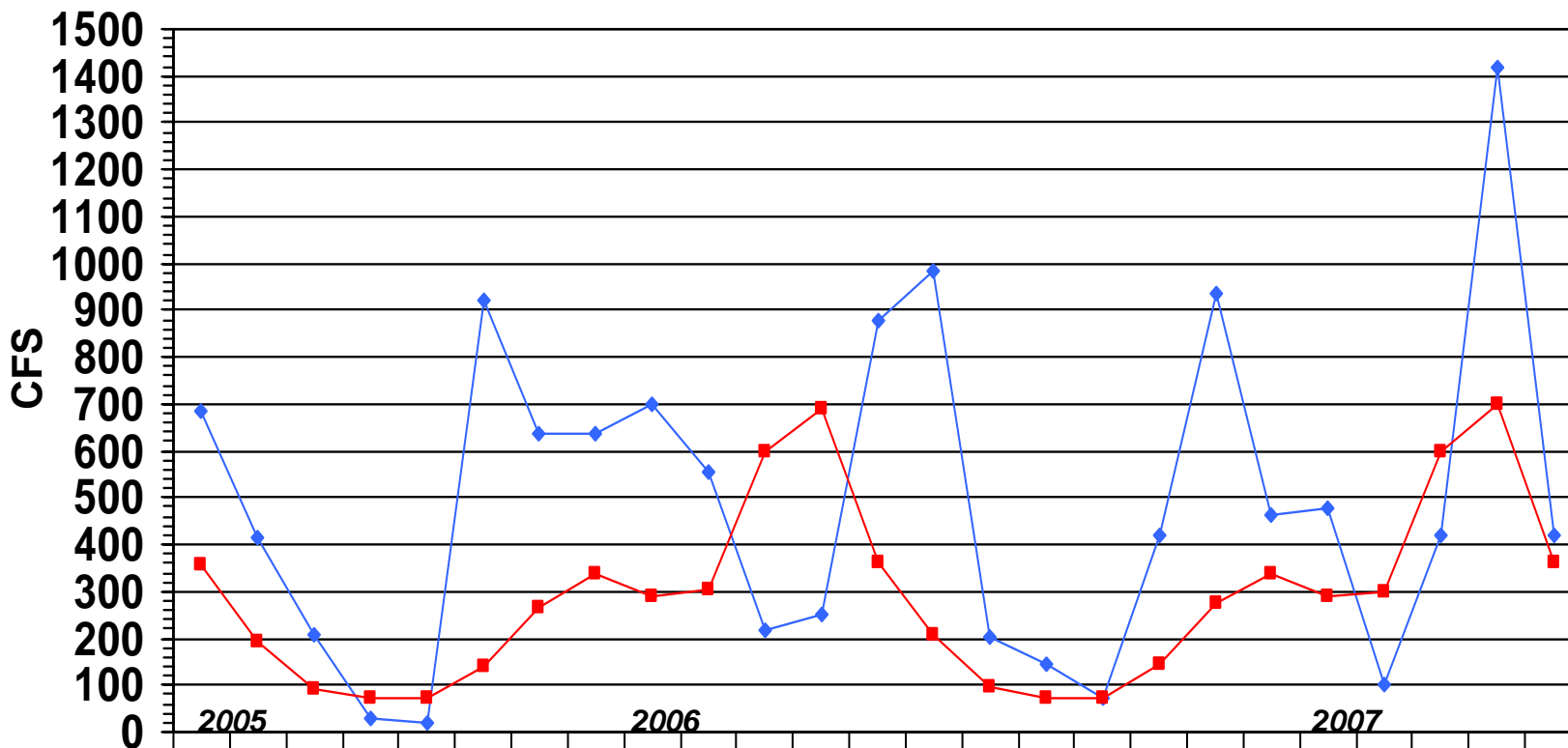
		2006							2007				
		JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY
<u>Coastal drainage</u>													
STRAFFORD	actual	8.67	5.86	3.03	2.52	6.27	5.53	3.60	3.02	1.59	3.94	9.98	3.39
	normal	3.12	3.12	3.12	3.12	3.12	3.12	3.12	3.12	3.12	4.02	4.39	3.88
	deviation	5.55	2.74	-0.09	-0.60	3.15	2.41	0.48	-0.10	-1.53	-0.08	5.59	-0.49
ROCKINGHAM	actual	9.25	5.13	3.52	2.61	6.44	5.96	2.84	2.94	1.54	4.37	8.92	3.95
	normal	3.32	3.32	3.32	3.32	3.32	3.32	3.32	3.32	3.32	3.86	4.12	3.69
	deviation	5.93	1.81	0.20	-0.71	3.12	2.64	-0.48	-0.38	-1.78	0.51	4.80	0.26
Average	actual	8.96	5.50	3.28	2.57	6.36	5.75	3.22	2.98	1.57	4.16	9.45	3.67
	normal	3.22	3.22	3.22	3.22	3.22	3.22	3.22	3.22	3.22	3.94	4.26	3.79
	deviation	5.74	2.28	0.06	-0.66	3.14	2.53	0.00	-0.24	-1.66	0.22	5.20	-0.12
<u>Southern Interior</u>													
HILLSBOROUGH	actual	9.82	3.98	4.59	2.05	6.87	5.35	2.59	3.08	1.54	4.17	8.09	3.96
	normal	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.88	3.89	3.81
	deviation	6.22	0.38	0.99	-1.55	3.27	1.75	-1.01	-0.52	-2.06	0.29	4.20	0.15
MERRIMACK	actual	9.62	5.19	3.70	2.34	7.76	4.84	3.79	2.93	1.45	3.95	8.53	3.59
	normal	3.16	3.16	3.16	3.16	3.16	3.16	3.16	3.16	3.16	3.51	3.66	3.84
	deviation	6.46	2.03	0.54	-0.82	4.60	1.68	0.63	-0.23	-1.71	0.44	4.87	-0.25
BELKNAP	actual	8.02	5.79	2.81	1.84	6.59	4.54	3.26	2.04	1.15	2.84	7.49	2.79
	normal	2.92	2.92	2.92	2.92	2.92	2.92	2.92	2.92	2.92	3.42	3.66	3.82
	deviation	5.10	2.87	-0.11	-1.08	3.67	1.62	0.34	-0.88	-1.77	-0.58	3.83	-1.03
Average	actual	9.15	4.99	3.70	2.08	7.07	4.91	3.21	2.68	1.38	3.65	8.04	3.45
	normal	3.23	3.23	3.23	3.23	3.23	3.23	3.23	3.23	3.23	3.60	3.74	3.82
	deviation	5.93	1.76	0.47	-1.15	3.85	1.68	-0.01	-0.54	-1.85	0.05	4.30	-0.38
<u>South Western</u>													
CHESHIRE	actual	7.22	3.04	3.94	1.81	6.02	3.91	2.39	2.91	1.22	2.77	5.49	2.66
	normal	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.60	3.64	3.97
	deviation	3.94	-0.24	0.66	-1.47	2.74	0.63	-0.89	-0.37	-2.06	-0.83	1.85	-1.31
SULLIVAN	actual	9.05	5.19	4.09	2.41	6.99	4.44	2.87	3.24	1.64	2.94	6.23	3.02
	normal	3.12	3.12	3.12	3.12	3.12	3.12	3.12	3.12	3.12	3.33	3.52	3.90
	deviation	5.93	2.07	0.97	-0.71	3.87	1.32	-0.25	0.12	-1.48	-0.39	2.71	-0.88
Average	actual	8.14	4.12	4.02	2.11	6.51	4.18	2.63	3.08	1.43	2.86	5.86	2.84
	normal	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.47	3.58	3.94
	deviation	4.94	0.92	0.82	-1.09	3.31	0.98	-0.57	-0.13	-1.77	-0.61	2.28	-1.10
<u>White Mountain</u>													
GRAFTON	actual	7.90	5.76	3.97	2.68	7.39	3.81	3.68	2.55	2.18	3.29	5.13	3.24
	normal	2.92	2.92	2.92	2.92	2.92	2.92	2.92	2.92	2.92	3.60	3.73	4.01
	deviation	4.98	2.84	1.05	-0.24	4.47	0.89	0.76	-0.37	-0.74	-0.31	1.40	-0.77
CARROLL	actual	7.95	6.33	2.98	2.45	8.02	5.08	3.30	2.31	1.58	2.86	8.10	3.24
	normal	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	4.01	4.05	4.19
	deviation	4.95	3.33	-0.02	-0.55	5.02	2.08	0.30	-0.69	-1.42	-1.15	4.05	-0.95
Average	actual	7.93	6.05	3.48	2.57	7.71	4.45	3.49	2.43	1.88	3.08	6.62	3.24
	normal	2.96	2.96	2.96	2.96	2.96	2.96	2.96	2.96	2.96	3.81	3.89	4.10
	deviation	4.97	3.09	0.52	-0.40	4.75	1.49	0.53	-0.53	-1.08	-0.73	2.73	-0.86
<u>North Country</u>													
COOS	actual	7.96	4.80	7.47	2.17	7.85	3.23	3.93	3.17	2.58	3.63	6.58	4.25
	normal	2.72	2.72	2.72	2.72	2.72	2.72	2.72	2.72	2.72	3.57	3.61	4.14
	deviation	5.24	2.08	4.75	-0.55	5.13	0.51	1.21	0.45	-0.14	0.06	2.97	0.11

# LAMPREY RIVER near NEWMARKET NH

## Gage# 01073500



### MONTHLY MEAN FLOW COMPARED TO MEAN OF MONTHLY FLOWS

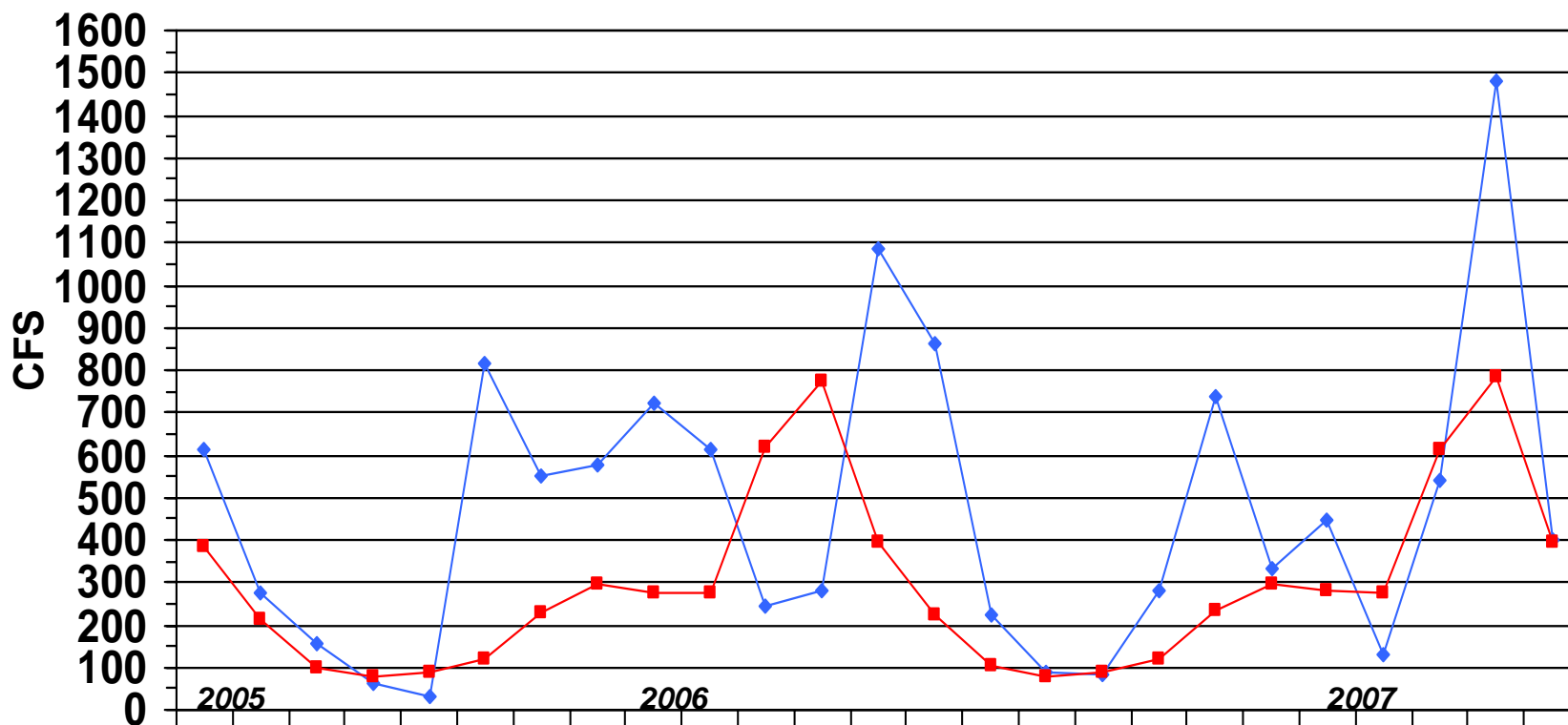


# SOUHEGAN RIVER at MERRIMACK NH

Gage# 01094000



## MONTHLY MEAN FLOW COMPARED TO MEAN OF MONTHLY FLOWS

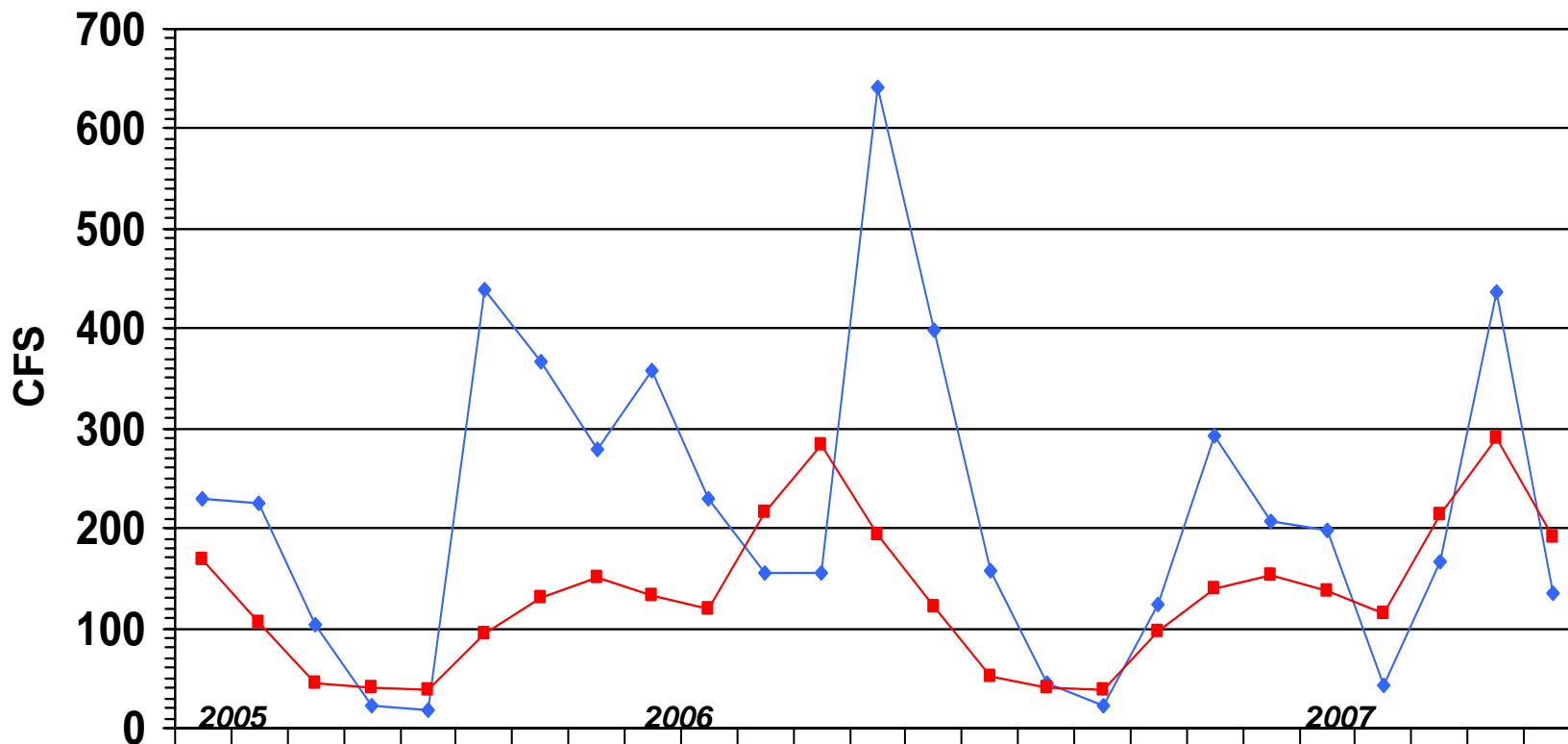


	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
Monthly Mean Flow	613	276	158	61	32	814	551	579	721	611	244	281	1085	860	223	90	84	278	738	330	446	130	538	1480	401
Mean of Monthly Flow s	385	215	101	78	88	118	228	296	276	275	616	773	395	224	103	78	88	120	235	296	279	273	615	782	395
% of Normal	159%	128%	156%	78%	36%	690%	242%	196%	261%	222%	40%	35%	275%	384%	217%	115%	95%	232%	314%	111%	160%	48%	87%	189%	102%

# SOUCOOK RIVER at PEMBROKE ROAD near CONCORD NH, Gage# 01089100



## MONTHLY MEAN FLOW COMPARED TO MEAN OF MONTHLY FLOWS

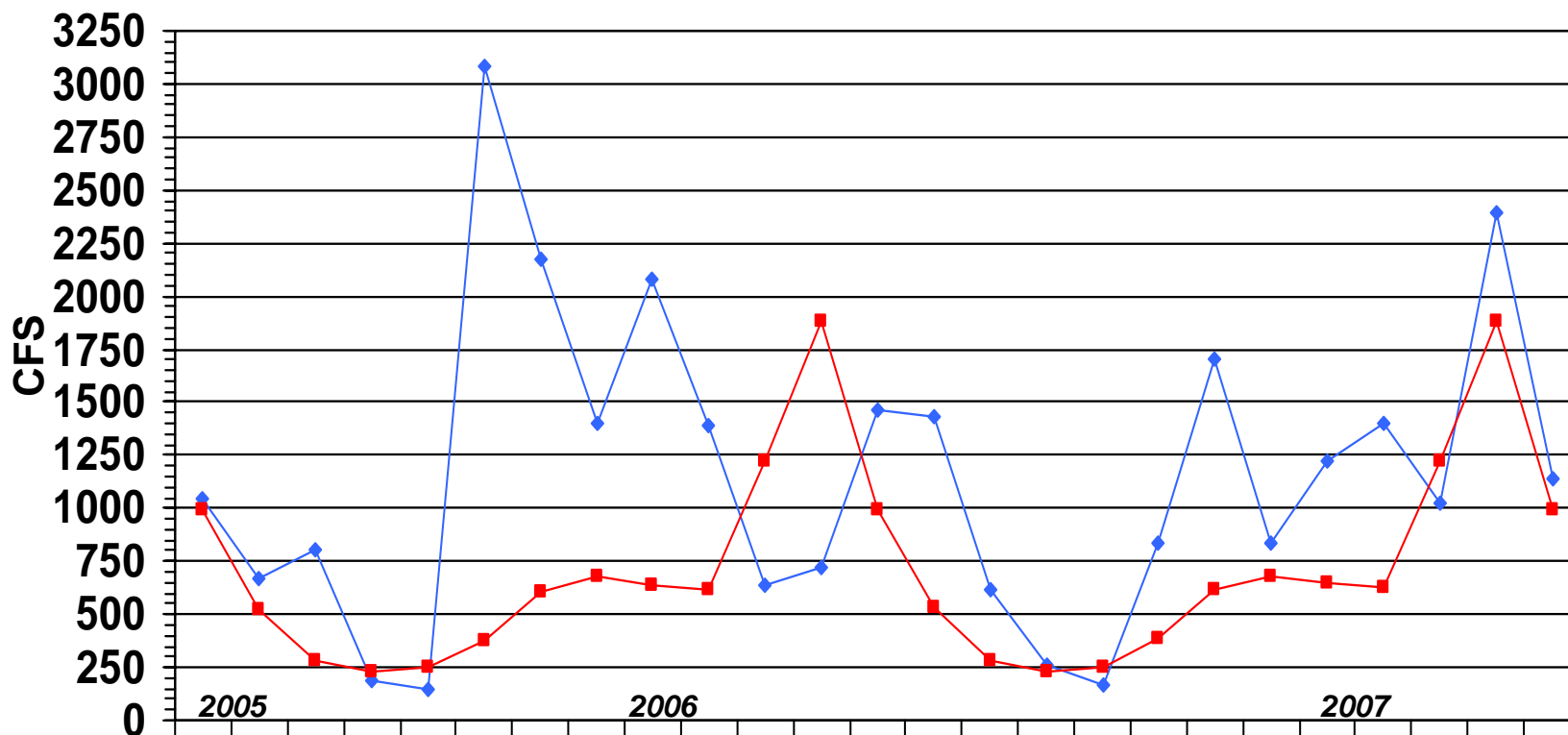


# ASHUELOT RIVER at HINSDALE NH

Gage# 01161000



## MONTHLY MEAN FLOW COMPARED TO MEAN OF MONTHLY FLOWS



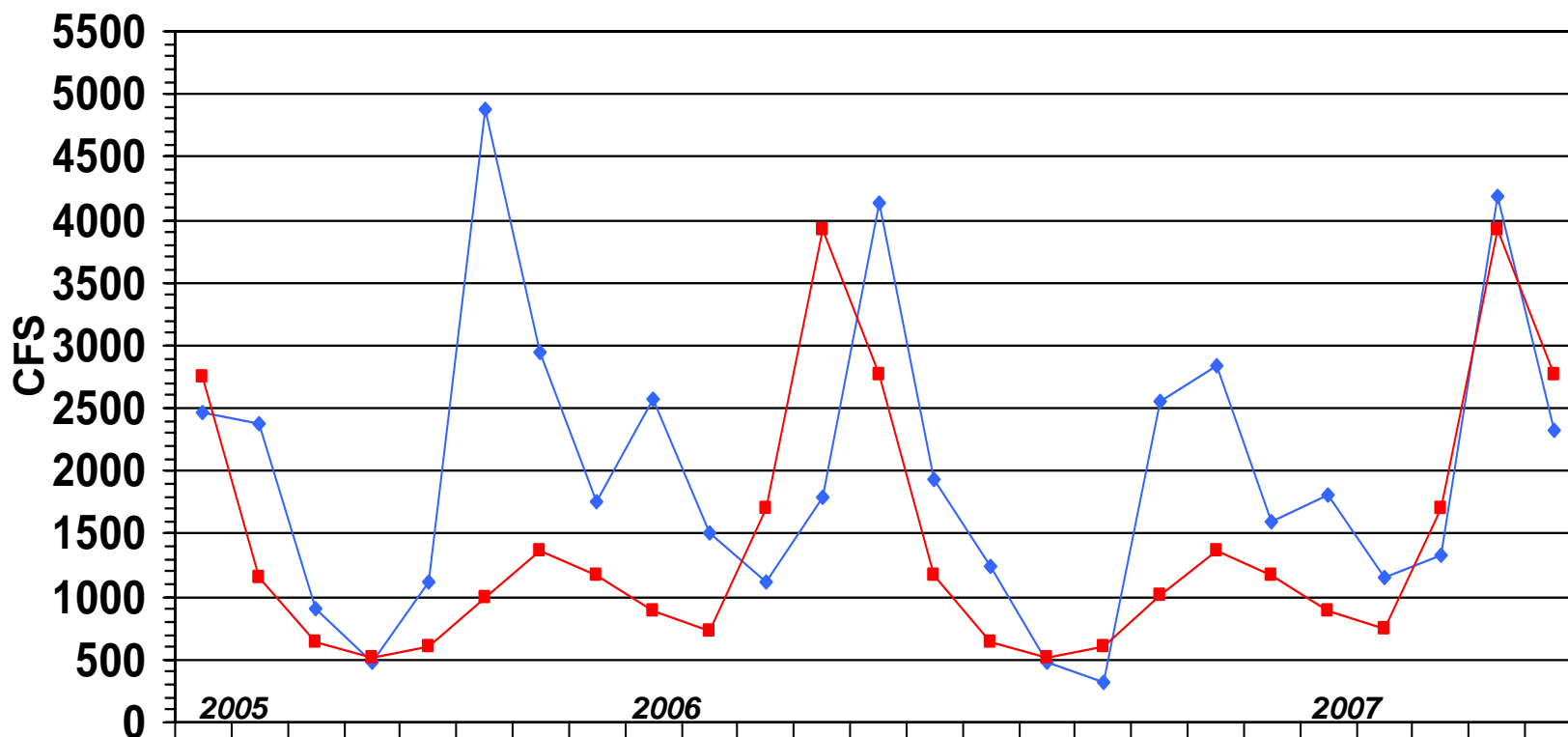
	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
◆ Monthly Mean Flow	1048	671	802	190	145	3088	2171	1396	2082	1385	642	718	1459	1434	615	262	170	838	1702	833	1220	1404	1025	2393	1142
■ Mean of Monthly Flow s	991	524	279	230	247	378	610	683	640	618	1226	1876	996	534	283	230	247	383	621	684	646	626	1224	1881	997
% of Normal	106%	128%	287%	83%	59%	817%	356%	204%	325%	224%	52%	38%	146%	269%	217%	114%	69%	219%	274%	122%	189%	224%	84%	127%	115%

# PEMIGEWASSET RIVER at PLYMOUTH NH

**Gage# 01076500**



## MONTHLY MEAN FLOW COMPARED TO MEAN OF MONTHLY FLOWS



	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
Monthly Mean Flow	2472	2380	901	475	1114	4878	2948	1761	2578	1500	1118	1789	4130	1941	1235	471	311	2550	2833	1605	1816	1152	1322	4191	2333
Mean of Monthly Flow s	2754	1159	637	514	603	1002	1358	1167	886	733	1712	3920	2767	1167	643	514	600	1017	1372	1171	895	737	1709	3923	2763
% of Normal	90%	205%	142%	92%	185%	487%	217%	151%	291%	205%	65%	46%	149%	166%	192%	92%	52%	251%	206%	137%	203%	156%	77%	107%	84%



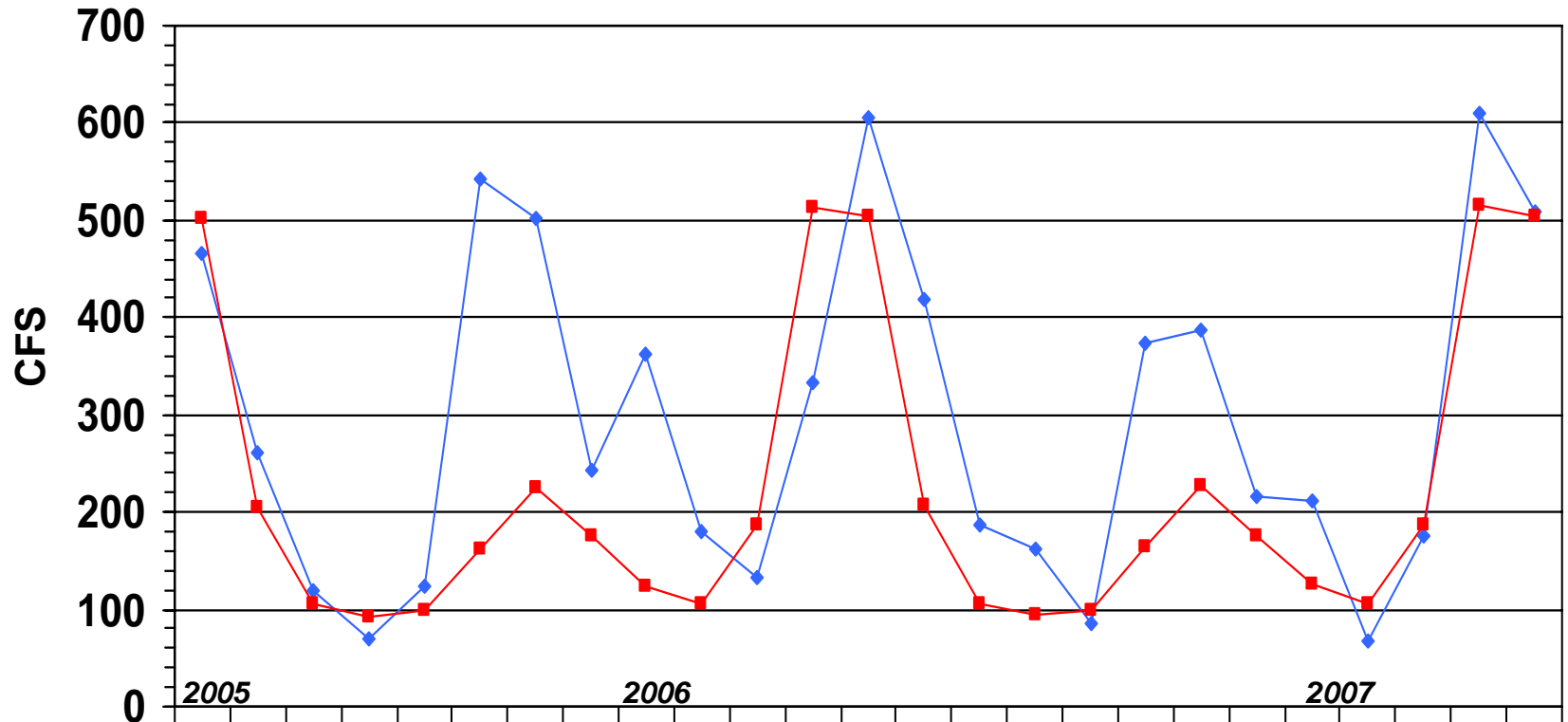
# AMMONOOSUC RIVER at BETHLEHEM JUNCTION NH

**Gage# 01137500**



## MONTHLY MEAN FLOW COMPARED TO MEAN OF MONTHLY FLOWS

This station replaces gage# 01137000 which was discontinued by DES at the end of Sept 2004



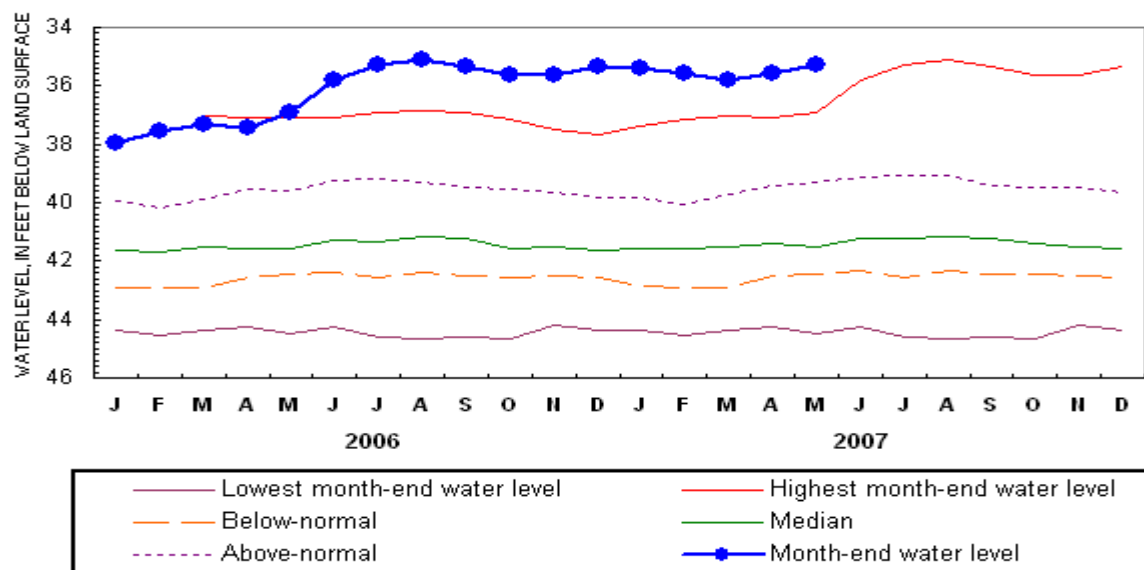
## New Hampshire Groundwater Levels for May 2007



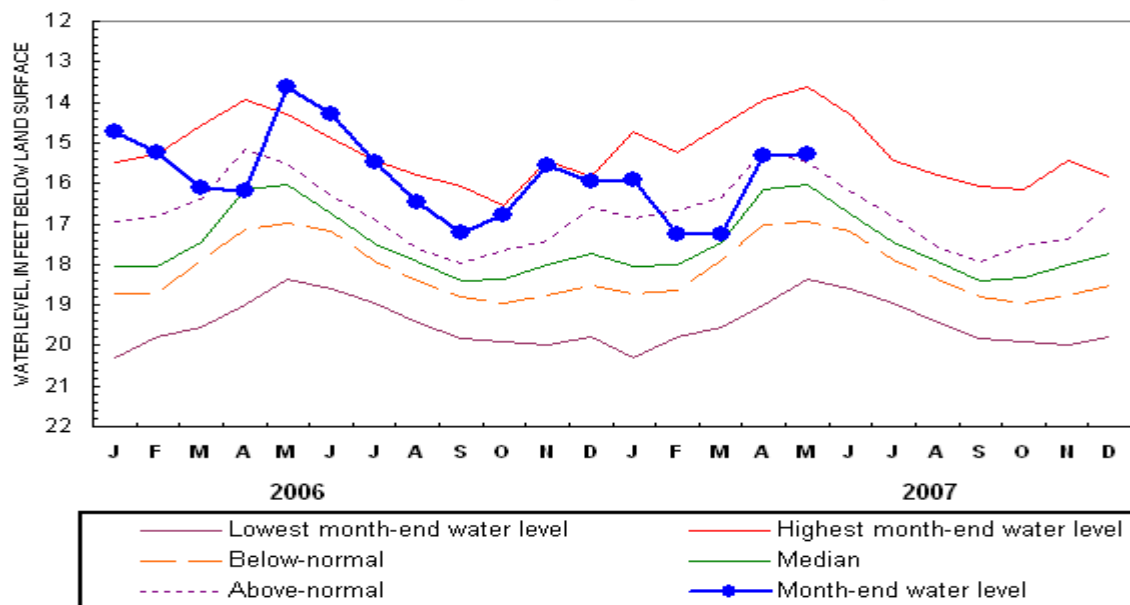
WELL	START OF WATER LEVEL BELOW		NET CHANGE		NET CHANGE		DEPARTURE FROM		PERCENT OF	
	RECORD	SURFACE DATUM (ft)	IN ONE MONTH (ft)	IN ONE YEAR (ft)	MEDIAN	RANGE (ft)	MONTHLY MEDIAN (FT)	RANGE	STATUS	
ALBANY 14	1995	4.69	-1.09	-1.08	5.21	1.6	0.52	32.5	ABOVE NORMAL	
ALBANY 15	1995	6.00	-1.19	-1.69	7.03	2.72	1.03	37.9	ABOVE NORMAL	
BARNSTEAD 10	1995	2.23	-0.33	-0.14	2.35	0.88	0.12	13.6	NORMAL	
CAMPTON 34	1988	11.15	-0.73	-0.85	11.72	1.42	0.57	40.1	NORMAL	
COLEBROOK 73	1995	7.22	-1.1	-0.24	7.09	0.63	-0.13	-20.6	NORMAL	
CONCORD 2	1963	35.28	0.32	1.65	41.52	4.59	6.24	135.9	ABOVE NORMAL	
CONCORD 4	1966	15.28	0.05	-1.66	16.02	2.4	0.74	30.8	ABOVE NORMAL	
DEERFIELD 46	1984	37.10	-0.36	-0.32	37.87	1.09	0.77	70.6	ABOVE NORMAL	
ENFIELD 30	1990	2.38	-0.54	-0.74	2.39	0.75	0.01	1.3	NORMAL	
ERROL 1	1966	11.8	0.2	0.8	11.8	2.9	0	0	NORMAL	
FRANKLIN 1	1966	9.23	0.11	-3.75	10.83	5.35	1.6	29.9	NORMAL	
GREENFIELD 75	1995	58.16	1.58	0.35	60.43	1.92	2.27	118.2	ABOVE NORMAL	
HOOKSETT 5	1965	46.96	-0.71	-2.52	46.72	2.01	-0.24	-11.9	NORMAL	
KEENE 2	1963	---	---	---	3.41	---	---	---	---	
LANCASTER 1	1966	1.40	-0.24	-0.8	1.27	1.13	-0.13	-11.5	NORMAL	
LEE 1	1953	29.43	-1.13	-1.13	30.72	2.42	1.29	53.3	ABOVE NORMAL	
LISBON 19	1990	13.08	-1.5	-0.45	13.38	1.02	0.3	29.4	NORMAL	
NASHUA 218	1964	26.47	-0.59	-1.69	27.37	2.59	0.9	34.7	ABOVE NORMAL	
NEW DURHAM 53	1986	18.69	-3.05	-0.86	18.93	1.1	0.24	21.8	NORMAL	
NEW LONDON 1	1947	6.80	-1.4	-3.11	6.53	2.54	-0.27	-10.6	NORMAL	
NEWPORT 3	1995	4.67	-1.42	-1.15	5.09	1.57	0.42	26.8	NORMAL	
NEWPORT 6	1995	4.77	-0.03	-1.18	5.15	1.56	0.38	24.4	NORMAL	
OSSIPEE 38	1995	33.14	-0.99	0.24	34.25	1.27	1.11	87.4	ABOVE NORMAL	
SHELBURNE 2	1995	4.10	-0.61	-0.46	3.82	0.88	-0.28	-31.8	NORMAL	
WARNER 1	1965	27.56	-0.61	-2.27	28.37	3.08	0.81	26.3	ABOVE NORMAL	

Source: USGS, NH DES

### CONCORD 2 (CVW 2) NH (August 1963 - May 1965, August 1967 - )



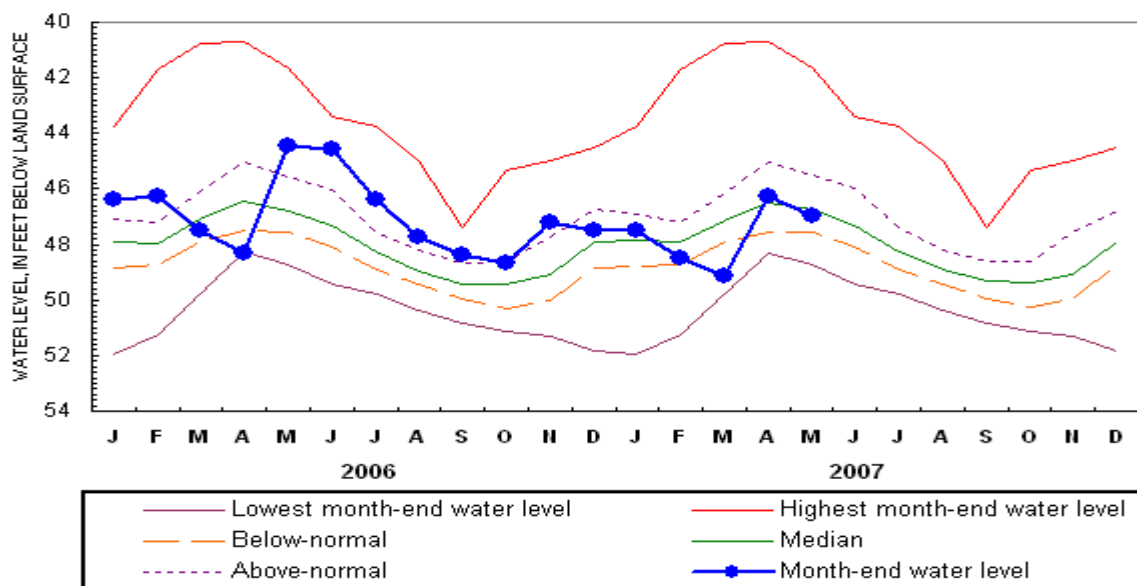
### CONCORD 4 (CVW 4) NH (November 1966 - )



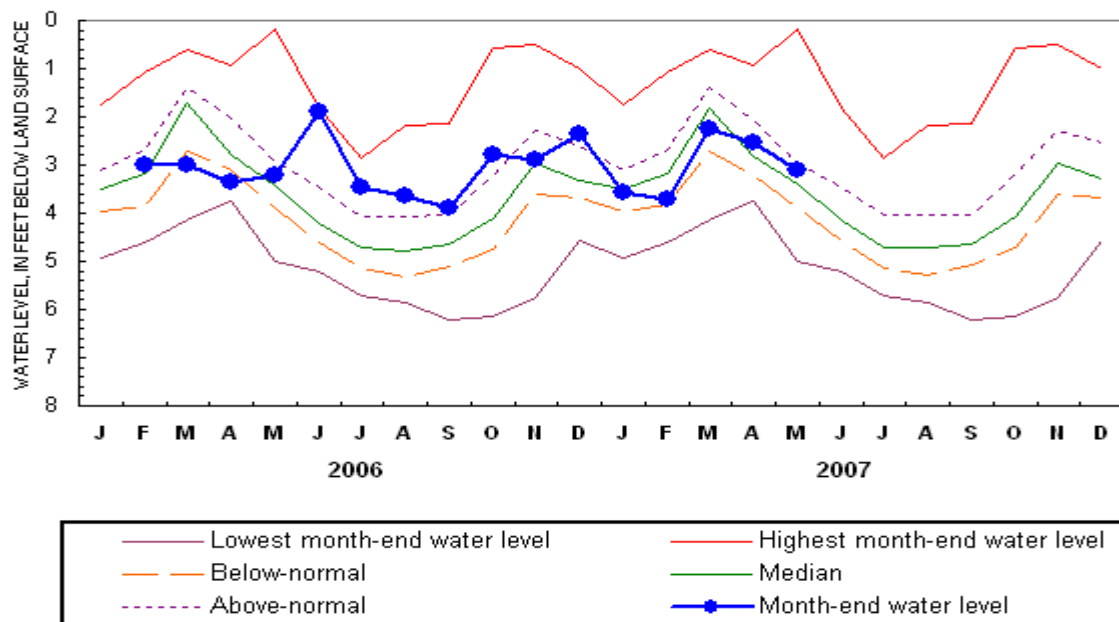
Highest and lowest month-end water levels are monthly extremes for the period of record  
 Above-normal is the 75% quartile (25% of month-end water levels were higher)  
 Below-normal is the 25% quartile (25% of month-end water levels were lower)  
 Median is the 50% quartile (half of the month-end water levels were higher or lower)  
 Water levels after September 2003 are provisional and subject to revision.



### HOOKSETT 5 (HTW 5) NH (April 1965 - )

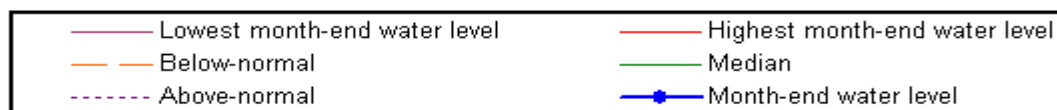
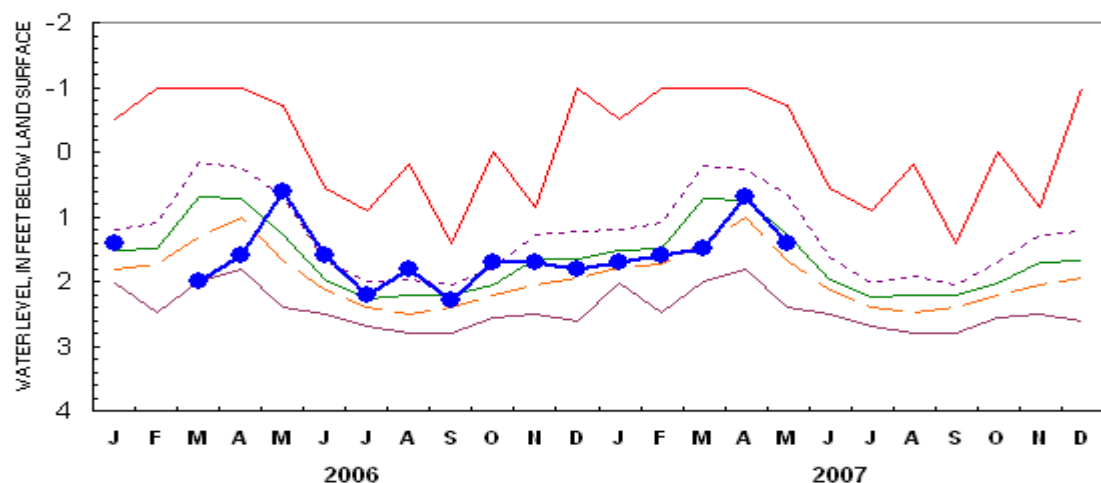


### KEENE 2 (KEW 2) NH (August 1963 - )

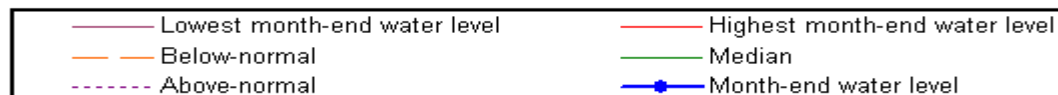
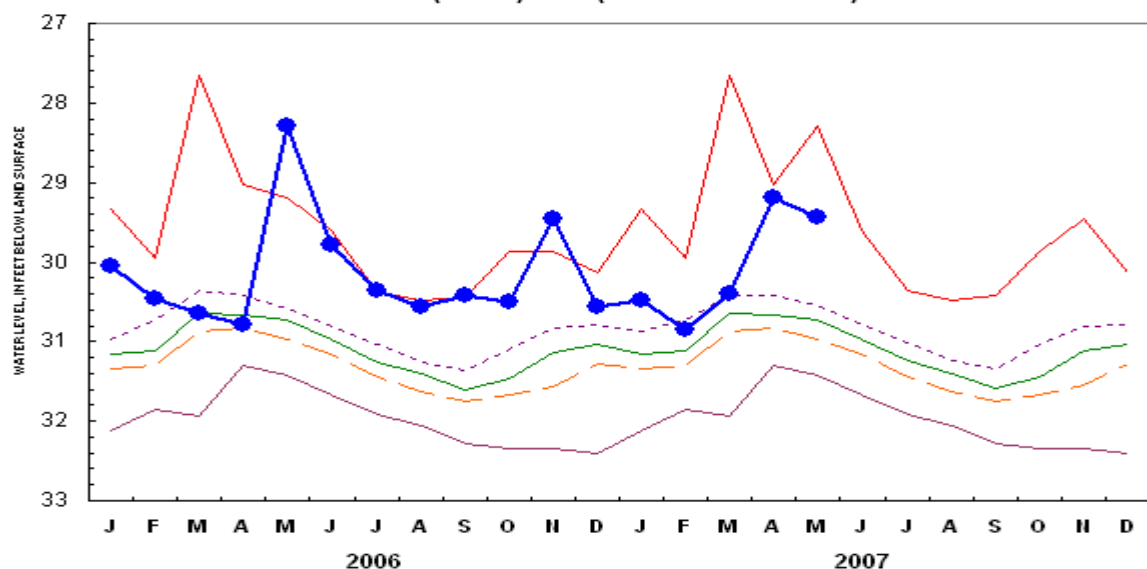


Highest and lowest month-end water levels are monthly extremes for the period of record  
 Above-normal is the 75% quartile (25% of month-end water levels were higher)  
 Below-normal is the 25% quartile (25% of month-end water levels were lower)  
 Median is the 50% quartile (half of the month-end water levels were higher or lower)  
 Water levels after September 2003 are provisional and subject to revision.

# LANCASTER 1 (LCW 1) NH (November 1966 - May 1980, April 1981)



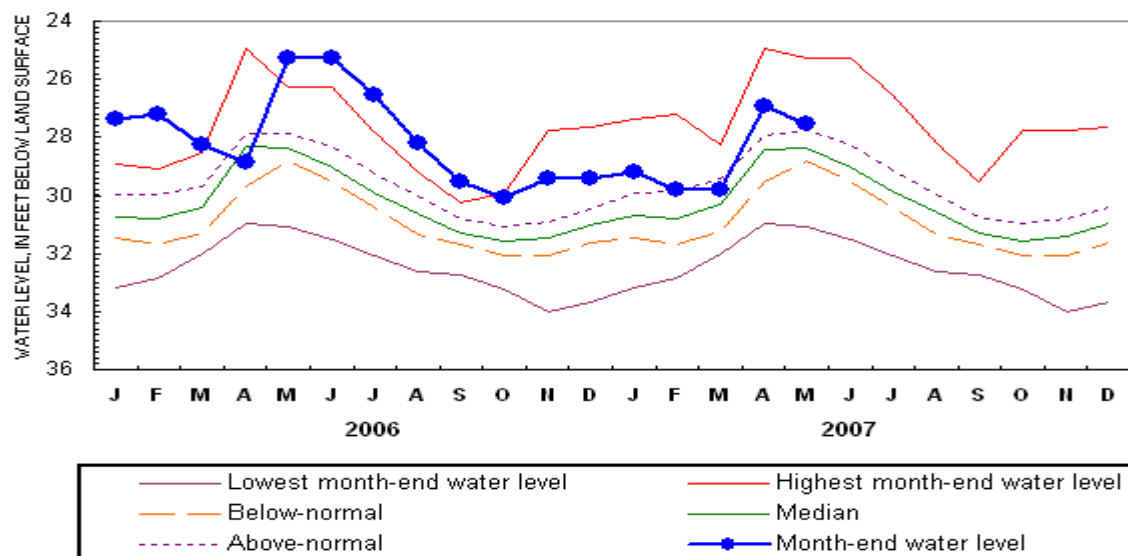
# LEE 1 (LIW 1) NH (November 1953 - )



Highest and lowest month-end water levels are monthly extremes for the period of record  
 Above-normal is the 75% quartile (25% of month-end water levels were higher)  
 Below-normal is the 25% quartile (25% of month-end water levels were lower)  
 Median is the 50% quartile (half of the month-end water levels were higher or lower)  
 Water levels after September 2003 are provisional and subject to revision.



# WARNER 1 (WCW 1) NH (December 1965 - )



Highest and lowest month-end water levels are monthly extremes for the period of record  
 Above-normal is the 75% quartile (25% of month-end water levels were higher)  
 Below-normal is the 25% quartile (25% of month-end water levels were lower)  
 Median is the 50% quartile (half of the month-end water levels were higher or lower)  
 Water levels after September 2003 are provisional and subject to revision.